Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Manual	Date:	06/02/2017 11:00 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	Cytometer Baseline:	04/21/2017 12:22 PM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124207	-1	2.25	124083	2.25
Blue	F	SSC	125000	122917	-2	3.22	123178	3.02
Blue	E	FITC	23355	22645	-4	2.46	1009	10.16
Blue	D	PE	28848	28423	-2	2.04	1024	9.63
Blue	B	PerCP-Cy5-5	47791	46862	-2	3.43	1344	16.57
Blue	A	PE-Cy7	41358	41144	-1	5.09	633	35.20
Red	C	APC	51316	51094	-1	2.80	2950	9.13
Red	A	APC-Cy7	53225	52412	-2	2.81	1089	10.94
Violet	B	V450	14473	13727	-6	3.38	665	8.95
Violet	A	V500	59973	59134	-2	3.17	2633	6.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17344	6.65	605	7	N/A	N/A	Pass
Blue	F	SSC	60694	1.57	540	6	N/A	N/A	Pass
Blue	E	FITC	114	37.93	543	-1	0.0211	131	Pass
Blue	D	PE	227	27.74	538	0	0.1623	214	Pass
Blue	B	PerCP-Cy5-5	211	44.76	628	-2	0.0107	133	Pass
Blue	A	PE-Cy7	70	120.29	680	-1	0.0123	23	Pass
Red	C	APC	344	28.05	591	-3	0.0225	184	Pass
Red	A	APC-Cy7	120	40.30	570	-6	0.0060	1958	Pass
Violet	B	V450	80	41.51	477	6	0.0404	1522	Pass
Violet	A	V500	191	21.71	510	9	0.0135	75	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-31.34	0.80
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.86	13.27 - 19.91	N/A	N/A	31.69	31.95	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13166

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments